

GINGISHIELD™ VETERINARY ENAMEL SEALANT IMPORTANT INFORMATION

ATTENTION: READ INFORMATION BELOW BEFORE FOLLOWING INSTRUCTIONS ON BACK

DO

- Practice on scaled, polished, extracted teeth. Sectioned teeth are fine because you just need an enamel surface. Contact SelenBio if you need help with practicing!
- Apply GingiShield Antibacterial Enamel Sealant only to scaled, polished, healthy teeth. **USE ONLY THE INCLUDED POLISH!** The doctor must verify periodontal and endodontic tooth health with probing and dental x-ray.
- Seal tooth surfaces at high risk for, such as the buccal (cheek) side of upper fourth premolar and labial (lip) side of upper canine. As you gain speed and skill with application, you can apply the sealant to any healthy tooth.
- **SET UP GINGISHIELD ITEMS BEFORE STARTING DENTAL CLEANING:** GingiShield kit and gloves, clean dry gauze, alcohol gauze, canned air with straw, and 2 clean dry microfiber rinse towels.
- Use canned air because the air from the air/water handpiece can be contaminated with water or oil. Canned air is a clean air source, as long as the can is not shaken and is held vertical. Use the red straw. Read instructions on can.
- You will need a coworker to retract the lip while you apply the GingiShield. Fluid from under the gum can seep onto the etched enamel. After air drying tooth, **ASSISTANT MAY NEED TO LIGHTLY PRESS ALONG GUM LINE WITH A FOLDED GAUZE** to maintain a dry field.
- Place a microfiber rinse towel under the teeth to be sealed in order to catch any rinse water that contains etch. This rinse towel must cover the exposed areas of the mouth to protect them from the etch rinse water.

DON'T

- Never use any polish with fluoride because the fluoride interferes with the acid etch.
- Never shake canned air.
- Don't leave the sealant syringe uncapped any longer than necessary because exposure to room light may adversely affect uncured sealant.
- ⚠ **NEVER ALLOW ACID ETCH TO CONTACT ANY SOFT TISSUE!** It will burn all soft tissue such as gums, tongue, skin, eyes, etc. It is for use only on the tooth surface. Never rinse acid etch directly into the mouth. **REMOVE ALL VISIBLE ETCH FROM TOOTH WITH GAUZE, THEN DIRECT RINSE WATER FROM TOOTH ONTO RINSE TOWEL.**
- ⚠ **NEVER LOOK AT OR AIM THE BLUE CURING LIGHT AT ANYONE'S EYES, INCLUDING YOUR PATIENT.** Prolonged/repeated exposure to the blue curing light will damage the eyes.

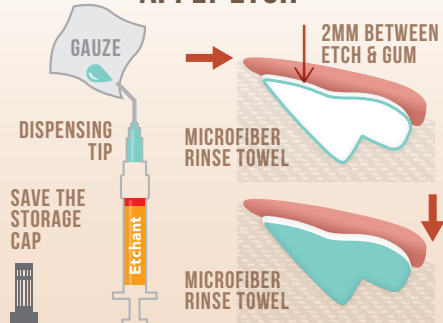
RECOMMENDED

- Dental magnifying loupes with a headlamp are very helpful. Dental headlamps usually come with a removable orange light shield to prevent the headlamp from interfering with the light cure process.
- Visit selenbio.com for more information about GingiShield Veterinary Enamel Sealant.

LEARN THE BASIC ACID ETCH TECHNIQUE OUTLINED BELOW

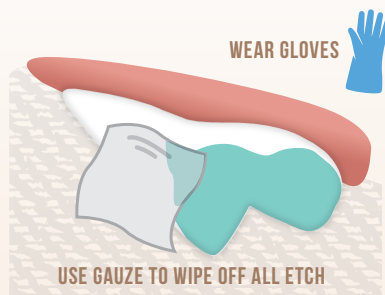
CAUTION: NEVER ALLOW ACID ETCH TO CONTACT ANY SOFT TISSUE.

APPLY ETCH



Place a microfiber towel under the tooth to protect rest of mouth. Attach a dispensing tip to the acid etch syringe. Express a dab of etch onto gauze to clear air from the tip. Dispose of gauze. Retract lip to expose tooth. Avoid tooth contact with lip/saliva/water/eye lube, etc. Apply etch directly from tip onto side of tooth. **LEAVE A 2mm SPACE BETWEEN THE ETCH AND THE GUM!** Use dispensing tip to outline and then evenly fill in area to be etched.

ETCH FOR 15-30 SECONDS



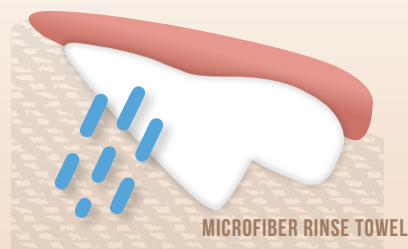
Set timer for 15-30 seconds.

After 15-30 seconds, use clean dry gauze to wipe off **ALL** etch from tooth.

Always wipe away from, not towards, gum. Immediately place gauze in trash.

Immediately dispose of acid etch items (e.g. gauze, tips, gloves) to avoid accidentally dispersing acid etch around work area.

RINSE FOR 15 SECONDS

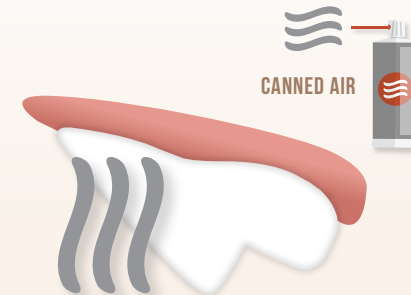


Rinse the tooth for 15 seconds, directing the water from gum towards cusp tip and onto the rinse towel.

Carefully remove towel and immediately place away from work area.

Prevent any rinse water from contacting the mouth.

DRY TOOTH WITH CANNED AIR



Dry tooth using canned air directed from cusp tip towards gum. Hold can upright, bend straw to aim, and never shake the can. *Etched enamel has a frosted/chalky appearance.*

The tooth is now ready for sealant application.

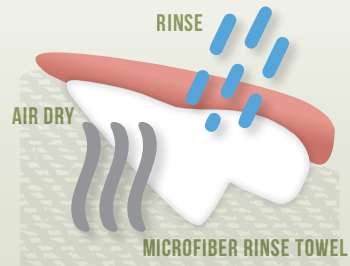
⚠ **DO NOT TOUCH ETCHED SURFACE.**

GINGISHIELD™ VETERINARY ENAMEL SEALANT INSTRUCTIONS

ATTENTION: READ INFORMATION ON FRONT BEFORE FOLLOWING THE INSTRUCTIONS BELOW

STEP 1: ETCH

SCALE, POLISH, RINSE & DRY



Choose tooth surfaces that easily accumulate tartar, such as buccal side of upper fourth premolar and upper canine.

Can do 1 or more teeth at a time.

Place the microfiber rinse towel to protect rest of mouth.

Retract lip to expose tooth. Avoid tooth contact with lip/saliva/blood/eye lube/etc. until after the sealant is cured.

Rinse the clean polished tooth and dry with canned air.

OUTLINE WITH ACID ETCH



CAUTION
NEVER TOUCH THE GUM WITH THE ETCH!

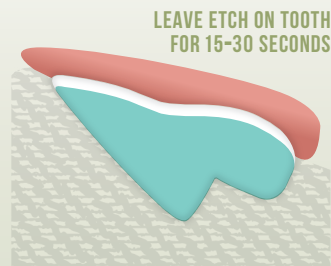
Apply acid etch only to the area to be sealed.

Leave a 2mm space between the etch and the gum.

Use the acid etch syringe with a dispensing tip to outline the area to be sealed.



FILL IN OUTLINE WITH ACID ETCH



Continue to dispense etch to fill in and evenly cover the outlined area.

Acid etch acts as a "chemical sandpaper" to "roughen" the enamel a little so the sealant can stick.

Set timer for **15-30** seconds.

Leave etch on tooth for **15-30** seconds.

AFTER 15-30 SECONDS, WIPE OFF ETCH



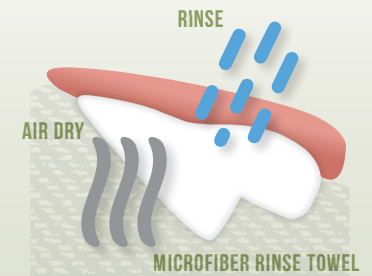
Use gauze to wipe off ALL etch.

Wipe etch away from, not towards, gum.

Immediately dispose of gauze and glove.

Avoid accidentally dispersing acid etch items around work area.

RINSE & DRY



Rinse for 15 seconds.

Direct rinse water away from gum and onto the microfiber rinse towel.

Prevent any etch rinse water from contacting the mouth.

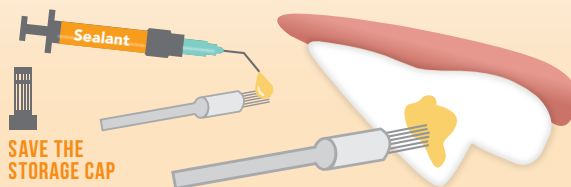
Remove rinse towel, place away from work area.

Dry tooth with canned air.

Etched enamel has a frosted/chalky appearance.

STEP 2: SEAL

BRUSH SEALANT ON ETCHED ENAMEL



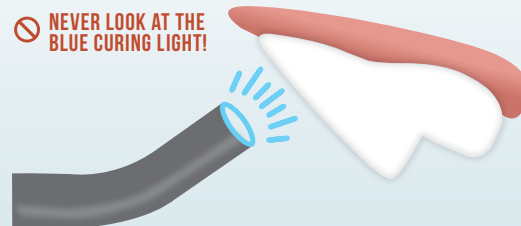
Place new dispensing tip onto GingiShield sealant syringe and dispense sealant onto the brush.

Apply a thin layer of sealant to evenly and completely cover the etched enamel.

The sealant goes on slightly yellow and cures to clear.

STEP 3: CURE

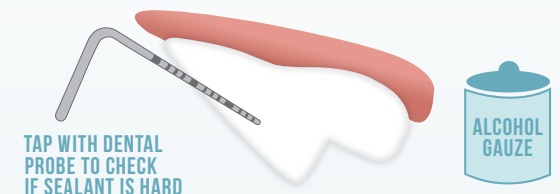
LIGHT CURE IN 20 SECOND INCREMENTS



Hold the LIGHT CURE UNIT working tip face parallel to the tooth surface and as close as possible without touching the tooth. Hold light steady in place for the full 20 seconds for each exposure. Necessary for 20 seconds of blue light to reach all the uncured sealant. Depending on tooth shape/size, need to move tip to aim light from different directions and perform up to 3 exposures.

Example: light cure center area of tooth for 20 seconds, move the tip to left of center, cure 20 sec, then to right of center and cure 20 sec.

CHECK SEALANT FOR HARDNESS & WIPE SEALANT WITH ALCOHOL GAUZE



Lightly tap the sealant with the dental probe to confirm curing. Cured sealant is hard.

Use an alcohol gauze to wipe off the slightly sticky oxygen inhibited layer (OIL).

Rinse. The sealed tooth surfaces will be smooth and shiny.

GOOD WORK!